Notebook, N-07-08-06

6989 Dup 6941 Excapt 10 degrees to the left. 7 flake 86 not through Hydrogen
21% KOH. 2½ lb Wt

Wt 7.171

6990 Wt 7.141

6991 Wt 7.160

3)2147²
7157
774
28628
50099
50099
5,5395

6992 Dup 6941
Except 10 degrees to left. 7 flake
86 not thru Hydrogen
21% KOH. 2 grms LiOH each cell —

Lot 7.181

6993 Lot 7.277

6994 Lot 7.138

3)21596
7199
774
28796
50393
5-0393 20026
5.57

6995 Dup 6941.
Except 20 degrees to the left.
7 flake 86' not thru Hydrogen
2½ cwt - 21% KOH.

1029 7a

Wt 7141

6996 Wt 7.085

6997 Wt 7.081

3)21307
7102
774
08
2844
4971
49714 48
5,4969

6998 Dup 6941 -
Except. 20 degrees to left.
7 flake 86 not Thru Hydrogen
21% KOH, 2 grams LiOH each cell.
2½ wt

1029 ft

Wt 7.117

6999 Wt 7.105

7000 Wt 7.144

3)21366
7122
774
28488
49854
49854 28
5,5123

7001 Dup 6941
Except 10 degrees to left.
7 flake 86 Through Hydrogen/soft
21% KOH, 2 ½ wt

1029f2

	Wt	7,339
7002	Wt	7,347
7003	Wt	7,389

3)22075
7358
774
29432
5 1506
5 1506
5695092

7004 Dup 6941 Except 10 degrees to Left. 7 flake 86 Through Hydrogen Soft –

21% KOH 2 grms LiOH. each cell.
2 ½ wt

102972

Wt 7,375

7005 Wt 7,398

7006 Wt 7,381

$3\overline{)22154}$
7385
774
29540
51695
51695
5,71599

7007. Dup 6941 Except: 20 degrses to left, 7 flake 86. Through soft. 21% KOH 2 ½ wt

1029 Fe

wt 7.300

7008 wt 7.315

7009 wt 7.330

$$\begin{array}{r} 21945 \\ \hline 3 \,)\, 7315 \end{array}$$

$$\begin{array}{r} 7315 \\ 774 \\ \hline 29260 \\ 51205 \\ 51205 \\ \hline 5{,}661810 \end{array}$$

7010 Dup 6941 Except 20 degrees to left 7 flake 86 Through H.
Soft - 2½ wt
21% KOH. 2 grms LiOH Each cell.

1029 Fr

Wt 7.371

7011 Wt 7.279

7012 Wt 7.326

3) 21.976
7.325
774
2930 0
75
7
5125
5.275
5.669 5 5 0

7013 Dup 6941 Except 10 deg to left
86 flake not thru Hydrogen 1/2 of the
flake thru 20 - the other 1/2 thru 50
mesh mixed together —
7 flake 24 Cro2 green 708 Ra —
from 6oTlc —
21% KOH,
1029 Fe

Wt 7.252

7014 Cracked end Wt 7.200

7015 Wt 7.176

3)21628
7209
774
28836
50463
50463
5,5797

7016 — Dup 7013

21% KOH. RUN COLD

1029 Fe	Wt	7.223
7017	Wt	7.188
7018	Wt	7.169

3) 21.580

7193

774

28 7 7 2

5 0 3 5 1

5 0 3 5 1

5 5 6 7 3

7019 Dup 7013 -

21% KOH, 2 grams LiOH each cell -

1029 ft

Wt 7.134

7020 Wt 7.128

7021 Wt 7.159

$$3\overline{)21.421}$$

7.140

774

28560

49980

49980

5,526360

7022 Dup 6941 Except 10 deg to left. Reg 86 flake not thru Hydrogen! No 2 green 708 RA from bottle — 7 flake 24 green
Use old loose rings - put on by hand —
21% KOH.
.1029 f2

Wt 7.167

7023 Slight breaks Wt 7.201

7024 Wt 7.166

3)21.534
7.178
7.44
2
2871
50246
50246 7 2
5.5557 7

7025 Dup 7022

21w/o KOH, RUN COLD

10297r Wt 7.194

7026 Wt 7.215

7027 Wt 7.172

3 | 21581

7194

474

28776

50358

50358

5,568156

7028 Dup 7022

21% KOH, 2 grms LiOH Each cell

1029 Fe

Wt 7.186

7029 Wt 7.185

7030 Wt 7.177

3)21548

7183

774

28732

50281

50281

5.5596

7031 Dup 6941 Except 10 degrees to left. 86 Flake <u>not</u> thru Hydrogn 7 flacke 24 green from Big drum barrel RA 708 — Put up with old irregular irons

24% KOH.

	COf 7.224
7032	COf 7.263
7033	COf 7.324

```
 3 ) 21 7 1 1
      7233
       774 2
      2893
     2   1
   5063
  ~~5.8631~~ 2
  5.59834
  5.59
```

7034 Dup 7031

21% KOH RUN COL☐

Put up Regular old runs –

Lot 7.245

7035 Lot 7.180

7036 Lot 7.098

3)21.523

7178

774

2

2871

50246

246

570

51.535772

7037 Dup 7031

21% KOH, 2 grms LiOH Each cell –

Put up with Regular old irons –

Wt 7.152

7038 Wt 7.082

7039 Wt 7.122

3 | 21.356

7119

774

28476

49833

49833 6

5.41010 6

7040 Dup 6941 - Except 10 degrees To left. 86 flake not Thru H 7 flake 24 green from The big drum RA 708 - Thru 20 finds in -

1029 Iron
21% KOH,

Cot 7.098

7041 Cot 7.185

7042 Cot 7.133

3 | 21416
7139
774
28556
49973
49973
5,5-2553-8

7043 Dup 7040

21% KOH, Run COLD

1029 Fz

Wt 7.167

7044 Wt 7.117

7045 Wt 7.127

3)21411
7137
774
28548
49959
49959
5.524038

7046 Dup 7040

21% KOH, 2 grms LiOH Each cell.

1029 Fi –

Wt 7.147

7047 Wt 7.222

7048 Wt 7.209

3 | 21578

7193

774

28772

50351

50351

556738

5.

7049 Old style dumping — green dumped on flake
Double lamps
86 f. Not thru H — 7 fl 24 green
708 Big Drum lot — 3 Hours on
hot plate, then when cold and 1/2
hour beyond — mat Then used 3 lb wt.

DT —
21% KOH,

LOf 7.282

7050 LOf 7.167

7051 LOf 7.242

3)21691
7230
7740
28920
5061
50618
51596

7052 Dup 7049-

21% KOH, RUN COLD
3 Heat

Cot 7.127

7053 Cot 7.189

7054 Cot 7.113

3) 21429
7143
774
2857 2
50001
500016
3.52866

7055
Dup 7049

21% KOH. 2 grms LiOH Each cell —
3 lbs.

Wt

7056 Wt

7057 Wt

7058 Dup 6941 Except 10 To left.
708 Big Drum — 7 flake Through
Hydrogen 86 fl — 1 24 green 2 1/2 Lot

Lot 7.209

7059 Lot 7.265

7060 Lot 7.178

3)21652
7217
774
28868
50519
50519 58
5,15859

7061 – Dup 7058

21"/s ROH RUN COLD
Z $\frac{1}{2}$ Lot

Lot 7,154

7062 Lot 7,157

7063 Lot 7,208

$$\begin{array}{r} 3\overline{)21519} \\ 7173 \\ 77\frac{4}{2} \\ \hline 2869 \\ 50211 \\ 502110 \\ \hline 5,5519 \end{array}$$

7064 Dup 7058

21% KOH, 2 grms LiOH. Each cell - 2½ wt

	Wt	7.167
7065	Wt	7.192
7066	Wt	7.167

3) 21526
7175
774/0
2870
5022.5
50225
5.5345

7067 – Dup 7058

21% KOH 2 grms LiOH, each cell
RUN COL II

	Wt 7.119
7068	Wt 7.142
7069	Wt 7.055

3 | 21316

7105

774

28420

49735

497350

497927

5.4992

7070 Dup 6941 Except 10 to left.
of flake 86 Through Hydrogen
24 green 708 Big Drum lot,

3 pound weight

21% ROA -

	Lot	7,290
7071	Lot	7,278
7072	Lot	7,288

3) 21856
7285
774
29140
50995
5099 5
5,63859

7073 Dup 7070
21% KOH RUN COLD
316 cwt

Lot 7.275

7074 Lot 7.248
7075 Lot 7.261

$\sqrt[3]{21784}$
7261
774
29044
50827
50827
5.620014

7076

Dup 7070 RUNCOLD

21% KOH, 2 grms Li OH each cell
3 lbs. dot

	Wt	7.183
7077	Wt	7.159
7078	Wt	7.273

3) 21615
7205
774
28820
50435
50435
515766

7079 Dup 7070

21% KOH, 2 grm LiOH,

316 cut –

	Wt	7.179
7080	Wt	7.260
7081	Wt	7.178

3)21.617

7.208

774

28832

50456

50456

5,57899

7082 Dup 6941 Except 10 To left
7 flake 86 not thru Hydrogen

708 Big Drum Lot.

3 lb weight

21% KOH,

Lot 7.362

7083 Lot 7.406

7084 Lot 7.462

3) 22230
7410
7740
2964
51870
5.187040
5.73 53

7085 Dup 7082

21% KOH, RUN COLD

3.26 wt

Wt 7.402

7086 Wt 7.414

7087 Wt 7.366

3)22182

7394

774

29576

51758

5.1758

5.17229 5.6

7088 Dup 7082

21% KOH, 2 gms LiOH,
RUN COLD

316 cut –

	Wt	7.402
7089	Wt	7.388
7090	Wt	7.386

$$3\overline{)22176}$$

7392

774

29568

51744

5174408

5.7214

7091 Dup 7082

21% KOH, 2 grms LiOH. each cell.
3 lbs wt.

	Wt	7,356
7092	Wt	7,368
7093	Wt	7,401

3 | 22125
7375
774
29500
51725
51725
5,72925

7094 Dup 6941 – Except 10 deg to left 7 flake 86 Not Thru H – 24 green 708 from Big drum – 21% KOH – 3 lbs wt

To go to Holland to form up using only half the current density on the first charge but twice as long next charges normal rate.

Cracked end — Wt 7,323

7095 — Wt 7,340

7096 — Wt 7,390

3) 22053
7351
774
29404
5.1457
5.1457 / 9674
3.6896

7097 Dup 7094

To Holland to form by
making 1st Charge at 1/4
the normal rate & four times
the length of charge
other Charges to 6z at
normal rate —— 3 lbs wt.
21% KOH.

Wt 7.365

7098 Wt 7.416

7099 Wt 7.375

3)22156
7385
774
29540
5.1695
5.16959
5.7159

7100
Dup 7094
Tube with burs ground off more
21% KOH, 3 lb wt

LOt

7101 LOt

7102 LOt

7103 Dup 7094

Burrs ground nearly all off
21% KOH, 3 Lb+ wt —
708 green Big Drum -

Wt

7104 Wt

7105 Wt

7106 Old style dump - green dumped on flake
Double Tamped.
10 milg flake twice as thick 24 Milg 708"
Green Big Drum - 3 lb COT.
21% KOH.

LOT

7107 COT

7108 LOT

7109 Dup 7106 –
Except 21% KOH RUN COL II
316

Cot

7110 Cot

7111 Cot

$^{\alpha}$7112 Dup 7106.
Except 21% KOH, 2 grams LiOH,

LOT

$^{\alpha}$7113 LOT

$^{\alpha}$7114 LOT

7115 Dup 7106 –

Except 21% KOH 2 grams LiOH.
RUN COLD

3 lbs

COF

7116 COF

7117 COF

7118 - Dup 7106 -

Except 15 mdg - Twice thick
flake - 24 grown —

Wt

7119 Wt

7120 — Wt

Old Style - Double T
green dumped on flake

7121 -
21 Hole 005 1½ spiral 86 flake not [illegible]
10 flake 24 No 2 green 708 Big drum. Green
dumped on flake Double Tamps
21% KOH. 3 lbs

Wt

7122 Wt

7123 Wt

7124 Dup 7121.

21% KOH. RUN COLD

lot

7125 lot

7126 lot

7127 Dup 7121.

21% KOH. 2 grms LiOH. RUNCOLD

Cot

7128 Cot

7129 Cot

7130 Dup 7121.
21% KOH. 2 grms Li OH.

Wt

7131 Wt

7132 Wt

7133 Dup 7121 Except 7 flake
86- not H, 24 green
21% KOH,

Cot

7134 Cot

7135 Cot

7136 Dup 4121 Except 7 flake 86 not H.

21% KOH. RUN COLD

Lot

7137 Lot

4138 Lot

7139 Dup 7121 Except 7 flake 86
21% KOH, 2 grams LiOH.

	Cot
7140	Cot
7141	Cot

7142 Dup 7121 Except 7 flake 86
Through Hydrogen –

21% KOH.

Wet

7143 Wet

7144 Wet

7145 Dup 7121 except 7 flake 86
Through # —
21% KOH. RUN COLD

Lof

7146 Lof

7147 Lof

7148 - Dup 7121 Except 7 flake 86
Throughout.

21% KOH, 2 gram LiOH.

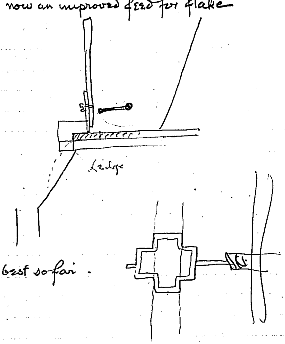
Lot

7149 Lot

7150 — Lot

Aug. 6 1907 =

We have now an improved feed for flake



This is the best so far.

We adopt 7 flake as standard —
as that is about what 10 f gave on
old feeds way back —
Dumping flake a shadow ahead
of green —

7151 =

21 Hole 005 1½ spiral – No 2 green
708 RA Big Drum – Washed a little
to get the white coating off –
dried all night on board on hot
plate – ~~to~~ thru 20, & then
crushed – The white fine hard lumps
picked out – 86 flake not thru #–
3 lbs wt – 7 fl 24 green –
21% KOH –

#86 flake not thru, H   Wt   7.289
Charged irons #1029A
7152   Wt   7.252

7153   Wt   7.252

3)21.793
7.264

10 Dumps above green gives 23.4 —
with 7 f showed there 23.3% flake —

5.62

7.264
774
29056
50848
50848
5.622336

7154 = Dup of 7151

Except the No 2 Drum green washed more & worked by fingers to get attrition to detach the fine white flour on particles – Dried on Asbestos 1/4" steam plate.

#86 Flake Not through H.

Orig irons #1029A wt 7.313

7155 wt 7.381

7156 wt 7.273

```
              7.273
            -------
              21967
```

10 stumps of above green gives 23.5

```
      3 ) 21967
           7322
            774
         ------
          29288
        51254
       51254
      --------
      5,66722 2
```

7157 Dup 7154
Except 21% KOH RUN COLD

#86 Flake not through Hp
Elig ironsx/1029A
Lot 7.264

7158
Lot 7.258

7159
Lot 7.140

3)21662
7221
774
28884
50547
505475
5,58965

7160 Dup 7154

Except 21% KOH 2 grams LiOH.

#84 flakes not through
Elig irons #1029A Wt 7.027

7161 Wt 7.047

7162 Wt 7.164

3) 21238
7079
774
28316
49553
49553
31479 1

7163 - Dup 7154

Except 21% KOH, 2 grams Li OH.

RUN COLD

#84 flake not thrown H.

Elig irons #1029A

Wt 7.193

7164 Wt 7.217

7165 — Wt 7.277

3)21687

7229

474

28916

50603

50603

5159524

7166 Dup 7154
Same green as used in 7154 but use No 94 Special flake which is as near No 67 & 68 flake as can get it — 7 fl 24 green
3 lbs cot.
21% KOH, Elig irons #1029A.

Cot 7.134

7167. Cot 7.134

7168 Cot 7.176

3)21444
7.148
774
28592
50036
50036
5.532552

7169 Dup 7166-#
Except 21% KOH
3 lbs RUN COLD
Chg irons #1029A Wt 7.130

7170 Wt 7.130

7171 Wt 7.157

$$
\begin{array}{r}
7139 \\
3\overline{)21417} \\
\end{array}
$$

$$
\begin{array}{r}
774 \\
\hline
28556 \\
49973 \\
49973 \\
\hline
5,525586
\end{array}
$$

~~7172 Dup 7166 -~~
~~Except 21% KOH, 2 gms LiOH,~~

Cancelled COT

7173 COT

7174 COT

~~7170 Dup 7166~~

~~Except 21% KOH, 2 grms LiOH,~~

~~RUN COLD~~

Cancelled

~~cot~~

~~7176 cot~~

~~7177 cot~~

7178

21 Hole 005 1 1/2 spiral 3 Lbs -
84 flake 7ft 24 green Lbs
RA 767 1/2 wash filtered dried
low heat!
21% KOH, Green average 23.7 10 dumps
Flake " 75. 10 dumps

Chg irons #1029A Wt 7,366

7179 Slight break Wt 7,580

7180 Wt 7441

3 | 22387
7462
76

44772
52234
2
5,6711

7181 Dup 7178

Except use 94 special flake
21% KOH,
Green average 23.7
Clig irons #1029A Wt 7.592

7182 Wt 7.493

7183 Wt 7.682

3)22767
7589
.76
45534
53123
3.76764

5.76-

7184 Dup of 7178 Except 3 ½ lb cat
707 RA ½ w filtered. [illegible] 7 of 24 green 84 flake
21% KOH,
Clig irons #1029A Wt 7,607

7185 Wt 7,689

7186 Wt 7,501

3) 22797
7599
76
45594
53193
5,775 24

7187 Dup 7178-
Except 3½ lb lot

& 94 flake ~~two~~ 707 Rci ½ w filtered
Low heat 21% KOH -
Clig irons #1029A. Wt 7.666

7188 Wt 7.711

7189 Wt 7.722

3) 23099
7699
76
4
46194
53893
2
31851

7190

21 Holz 005 $1\frac{1}{2}$ Spiral, $3\frac{1}{2}$ lbs –
708 RA Big drum flake 8¼ not Thru Hydrogen
plunger 227/1000 dia – Apparatus (used)
Same as / 7151 – plunger not hardened
7 flake 24 green 21% KOH – flake dump just before green –
Elig iron #1029 A.

Wt 7.833

7191 Wt 7.816

7192. Wt 7.787

3 | 23 436
7812
76
46872
54684
5,9371

7193 Dup 7190

Except plunger 217-/1000 -

Elig irons #1029 A

	Cof	7.599
7194	Cof	7.613
7195	Cof	7.664

$3\overline{)22876}$

7625

76

45750

53375

5,7950

7196 = Dup 7190

Plunger 207/1000 –

Clig irons #1029 A cracked end Wt 7.652

7197 Wt 7.651

7198 Wt 7.815

3)23118

7706

76

6

4623

6

5 3 9 4 2

5,8 5 6 5 6

7199 Dup 7190 -
Plunger 197/1000 -
Clig irons #1029A Cot 7.634

7200 Cot 7.583

7201 Cot 7.687

3)22904
7635
76
45810
534450
5,8026

7203

21 Hole 005 $1\frac{1}{2}$ $3\frac{1}{2}$ lbs —

237/1000 plunger · 73 flake Nat H.

Boiled in 12% KOH Saturated LiOH, not washed perfectly free of alkali —

7 fl 24 No 708 Big Drum —

21% KOH,   Flake Average 7.1

Mg irons #1029A   Green " 23.7

Wt 7.704

7203   Wt 7.797

7204   Wt 7.795

3) 23296

7432

77

52024

52024

5 2 0 2 2

5,7222

7205

21 Hole 005 1 1/2 8 1/2 wt.

217/1000 plunger 84 flake wt

Hydrogen – Layer Loading

7 fl 24 No 708 | B.7 Drum

Oligirons #1029A Flake Average 7.3

214/6 KOH, Green " 23.7

Lot 7.544

7206 Lot 7.563

7207 Lot 7.599

3) 22706
7569
765
37845
45414
52983
5,790285

7208

Dup 7205 —

Except 207/1000 plunger -

7 fl 24 green   3 1/2

2% KOH -   Flake Average 7.3

Olig irons #1029 A   Green " 23.7

Wt 7.584

Wt 7.627

7209

7210 -   Wt 7.640

3)22851

7617

764

30468

2

45709

53317

3

5,81,9

7211 –

Dup 7205 –

But hang the 3 grids in steam in Steam bath for 2 hours before assembling –

21% KOH, #1029 Allig irons

Flake average 7.3

Green " 23.7

OCV 7.512

7212

CCV 7.473

7213

CCV 7.506

3)22491

7497

764

29988

2

4498

5247

9

0

51727.7

7214 =

21 Hole .005 1½ spiral 237/1000
plunger Regular — 3½ wt
84 flake (which had been
treated boiling Dilute HCl
containing HNO3) .. washed acid
free =) 7 flake 24 708 Big Drum
21% ~~KOH~~, Green average 23.7
#1029A lbg irons .. Flakes " 7.4
LOT 7.517

7215 — LOT 7.526

7216 — LOT 2)15043

7521
762
15042
1.126
.144
5 764
51731002

Flake Bridges slightly in hopper.
Had enough flake for two only

7217 21 Hole .005 1½ 3½ wt 237 plunger 3½ Milgms No 88 flake ½ thickness Not through Hydrogen 24 ^{green} No 708 Big Drum green —

21% KOH —

Flake Average 3.7
Green " 23.7
Wt 7.067

7218 Wt. 7.053

7219 — Wt 7.032

Bridges in hopper flake.

3) 21152
7050

865
35250
42300
56400
6.19825

7220 Dup 7217

Except 217/1000 plunger

Mig irons #1029A Flakes average 3.7
Green " 23.7
Wt. 7,046

7221 Wt 7.091

7222 Wt 7.080
21217

Flake slightly bridges in hopper.

3) 21217
7072
865
353360
3532
4243
5657
6117

7223 -

Dup 7190

Except 245/1000 plunger -

#1129 Chg irons.

Green Average 23.7
Baked " 7.4
Wt 7.877

7224
Wt 7.846

7225
Wt 7.792

3 | 23515
7838
76
47 02 8
47 6 6
5 48 6 8
63 95 1 1
98
6 77 7

7226 —

Dup 7223 3½ wt

Except Layer Loading with 245/1000 plungers

#1029A lhg irons

Green 23.7

~~Flake~~ 7.4

Wt 7.804

7227 Wt 7.711

7228 Wt 7.746

3)23261

7754

.776

4652

5427

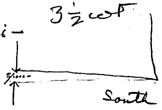
3893

6 31871

6.1

7229 Dup 7190 —

Regular Loading - flake little advance of Green —
245/1000 plunger —



Bevelled off 8/1000

#1029A Clip irons
Green 23.7
Flake 7.4

Wt 7.828

7230 Wt 7.748

7231 Wt 7.751

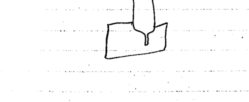
3)23327
7776
76
46656
5-4432
5,909

7232 = Dup 7190 —

Regular 237/1000 plunger $3\frac{1}{2}$ wt.

One tube loaded – bottom end closed top end not closed

but plug put in & lever laid on with index & then immersed 21% NOH, see how much it swells.



7233 Dup of 7229 -

But bevel set North.

Wt 7.900

7234 Wt 7.843

7235 Wt 7.892

# 84 flake Averag 7.4

" Green drum " 23.7

Chg irons #1029A

3)23635

7878

762

56

1578

26

4746 6

55 1 0 3 0 3

6.0

7236
Dup 7229
Bevel Set South

Wf

7237 Wf
7238 Wf

Same as #7229

7239 Dup 7229
Bevel set East

LOf 7.685

7240 LOf 7.670

7241 Cracked end LOf 7.653

Flake #8 Average 7.4
Green #2 brown " 23.7
Clig irons #1029 A

3)23008
4669
762
8
5333
1014
4
46683
53 6
7
51 8437

7242

Dup 7229

Bevelset West —

wt 7.880

7243 wt 7.924

7244 wt 7.853

Flake #84 Average 7.4

Green #2 drum " 23.7

Clig irons #1029A.

3) 23657

7886

7962

577

6

31

4702 3

55291

60

7245 =

21 Holz ⊙05 1 1/2 spiral 3 1/2 cot.
84 flake 7 ft 24 No 1042 Ra
flake = through 20 fines in – breaks up
smaller than 20 –
Regular Loading 237/1000 plunger
21% KOH
Green Average 23.7
Flake " 7.4 Wt 7.358

7246 Wt 7.230

7247 Wt 7.086

3 | 21674
7225
762
14450
43350
50575
51505

7248

21 Hole 005 1½ 3½ lot –

708 Big Drum lot 8B flake
which has been oxidized &
reduced in Hydrogen
237 plunger 7 fl 24 green.
0.1% KOH.

Green average 24.
Flake " 7.2

lot 7.686

Big irons #1129A
7249

lot 7.549

7250 –

lot 7.555

Flake pasks
Old style stirrer with
wires

7.555
3)22790
7597
77
53179
5 3 1 7 9 9
6
5 1 8 4 9

7251=

21 Hoos 1½ 3½ cwt.

237 plunger – friction so no bounce
& strike lighter blow –

84 of 24 green 7 fl. 708 Big Drum

21% KOH,

Flake Average 7.4
Green " 23.7

Lot 7.396

7252

Lot 7.395

7253

Lot 7.474

3)22265
9422
762
4
1484
2
53
4454
519
555
5,655
1

7254 –

21 Hole .005 1 $\frac{1}{2}$ 11. lb Wt. 10 oz

84 f 708 B.q D – 7 fl 24 gram

21% KOH.

Flake average 7.4

Grain " 23.7

Plg irons #1029A.

7255

7256

Wt 7.022

Wt 7.149

Wt 7.025

3) 21196

7065

762

1413

1490

4237

49455

5.3835

7257 -
21 Hole, .005 1 ½ - 3 ½ wt
Reg 237/1000 plunger No 84 flake
7ff /24 Green 708 Big Drum —
21% KOH, give To Holland To
Change 75 Rate 4500 mah -
at 100 deg Fahr then dis
200 rate ~~& then~~ Cold & thereafter
chg + discharg Reg
Flake average 7.4
Green 23.7
Ring irons #1029A Wt 7.927

7258 cracked end Wt 7.985

7259 Wt 7.922

3)23834
7945
762
15890
47670
55615
6,0640

7260 =

21 Hole 005 1½ 3½ 237/1000

plunger - flake in advance green

708 Big Drum — 7 flake 24 green

21% KOH — Flake 60/1000 matter made long ago

#65 flake Average. 7.0

Green Average 23.9 | 230 dumps Wt 7.547

#10291 big irons

7261 236 " Wt 7.498

7262 232 " Wt 7.555

Flake feeds poorly

3)22600

7533

7.765

37665

98

451

4731

5 2

5,76274

7263 = Dup of 7260

But larger Loading —

21½% KOH —

#65 flake Average 7.0

#2 Green ...... " 23.9 } 242 dumps COP 7.755

#1029 A lbg irons.

7264 244 " COP 7.716

7265 248 " COP 7.688

Flake feeds poorly.

```
  7.688
3 )23159
   7720
    778
  61760
   5404
  54040
6.0061
```

7266 = Dup 7260

Layer Loading
21% KOH. 2 grams LiOH.

#65 flake Average 7.0
#2 Green " 23.9
#1029A Chg irons. 238 dumps Cut 7.610

7267 238 " Cut 7628

7268 238 dumps Cut 7.575

Flake feeds poorly.

3)2271 3
4571
773
3
2271
52997
5299783
5.85 23

7269 | 21 Hole .005 1½ 3½ wt 237 plunger
Reg loading flake in advance
Tube stock polished by grinding
83 fl 7 fl 24 green 708 B. gl Drum
21% KOH
flake average 7.2
#2 Green " 23.9 | 234 dumps LOF 7.596
#10291 Elig irons.
7270 | 229 " LOF 7.603
7271 | 229 " LOF 7.550

3 | 22749
7583
773
9
22749
53081
53081
5.86166

7272

~~Dup 7269~~ ~~Except Gurro down to~~ ?

~~7/1000 - Calliper for tubestock~~

~~21½ ROCH.~~

~~#83 Flake Average~~ ~~LOT~~

~~#2 Green " 239~~

~~7273 #1029 A Chlg irons~~ ~~LOT~~

~~7274~~ ~~LOT~~

7275

21 Holz 005 1½ 3½ wf 237 plunger
83 flake Boiled 3/4 hour in Concentrated
LiOH in Water – washed so some
LiOH left in residual water –
when dry breaking up causes
Cough – 7 fl | 24 708 Big
Drum lot

21% KOH.

Regular loading
flake in reservoir

#2 Drum average 23.9
Flake " 7.3

239 dumps Wf 7.595

#10294 Big irons.

7276 236 " Wf 7.680

7277 243 " Wf 7743

7743
3|23018
7673
766
46038
46038
4611
5371
3,8775

7278

21 Hole 005 1½ 3½ wt 237 plunger
Reg loading flake in advance
No 97 flake Matte Surface
1½ times so thick as Regular
0001 10 flake 24 No 708
Big Drum lot –
Cobalt 6 case on Drum –
21% KOH –
Flake average 10.2
Green " 23.9 236 dumps Wt 8,237
#1129A Clig wire.
7279 233 " Wt 8,048
7280 238 " Wt 8,203

3)24488
8163
70
5,7141

7281

21 Hole 005 $1\frac{1}{2}$ $3\frac{1}{2}$ - 237 plunger

83 flake treated with Dilute HCl & H_2O_2

7 fl 24 green 708 Big Drum -

Reg loading —

21% KOH,

Flake average 6.8

#2 Green " 23.9

#1029A Blg irons

7282

240 dumps Wt 7.430

242 " Wt 7.439

$$\begin{array}{r} 2\,)\overline{14869} \\ 7434 \\ 778 \\ \hline 59472 \\ 52038 \\ 52038 \\ \hline 578365 \end{array}$$

Flake was bulky and light.

7284

21 Hole 005 1½ 3½ 237 plunger

83 flake oxidized-reduced by Hydrogen

7 flake 24 .070708 Big Drum -

Reg loading - flake advance green -

21% KOH, 2 grams LiOH each cell -

Flake average 6.7

#2 Green " 23.9

#1029 Allig irons

244 dump LOf 7.622

7285 245 " LOf 7.753

7286 - 247 " LOf. 7.667

Seven tooth stirrer used.

3 | 23.042

7681

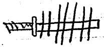
78

6144 8

53767 8

8.9911

* But with present plunger feed on flake. no pocket in slide –



7287
21 Hole 005 1 $\frac{1}{2}$ spl 3 $\frac{1}{2}$ wt 237
plunger – Green to feed on top of flake
the same as we did a year ago – *
Use 708 green Big Drum –
83 flake which has been oxidized too
high so it balled some, screened out &
reduced by Hydrogen – its dull matte &
OK = 7 flake 24 green

21% KOH –

Flake Average 7.5 | 240 dumps Wt 7.771
#2 Green " " 23.9
7288 #1029A lbg iron | 255 " Wt 7.761
241 " Wt
7289 7.557

Flake packs could only half fill hopper

3 | 23 089
7696
761
7696
776
4612
5387
65 66
5,856

7290 Dup of 7287

Except 21% KOH 2 grms LiOH —

'F' flake average 7.5

#2 Green " 23.7

#10291 Mig irons | 240 dumps LOf 7.737

7291 | 250 " LOf 7.680

7292 248 " LOf 7.579

Hopper only half full, flake packs

3) 22996

7665

76

990

45 9 2

5363 5

5182 5 4

7293. Dup 7287 -

Except Layer loading -

21% KOH.

#1029A Orig iron

Flake average 7.5 | 238 dump COf 7.594

#2 Green " 23.7 |

7294 244 " COf 7.622

7295 239 " COf 7.667

Could only fill hopper 3/4 full, flake packs slightly

3)22883
7628
76
68
4576
5339
5.797

Layer Loading

7296 =

21 flake 005 1½ 3½ = 237 plunger

708 Big Drum – 83 flake oxidized slower & at lower heat – then screened – then Reduced in hydrogen dull red longer than previous lot in 7295 – 1½ hours in hydrogen this reduced the brittleness way down so it's ok = its more bulky showing not much fusion of flakes together –

7 flake 24 green –

Layer Loading – ⑫ Dump green Tamp Dump flake Tamp!

21% KOH. | Flake average 7.1
Green average 239

#1029A Clig irons | 243 dumps Clof 7.822
7297 | 241 " Clof 7.745
7298 | 242 " Clof 7.763

3)23330
7443
771
7443
7.01
521
5 2101
51738.5

7299 Dup 7296 -
Except 21% KOH. : RUN COLD

238 dumps COf 7.889

7300 235 " COf 7.859

7301 239 " COf 7.907

3)23655
7885
771
7885
7 95
55 1 75
5 5 1 9 5
6 0 7 9 3 3 5

7302 Dup 7296

Except 21% KOH. 2 grams Li OH.

236 dumped Wt 7.897

7303 249 " Wt 7.978

7304 236 " Wt. 7.981

3)23856

7952

771

795

764

5564

5566

6.13099

7305

Dup 7296-

Except 21% KOH. 2 grms LiOH.

RUN COLD

	236 dumps	COf	7.982
7306	235 "	COf	7.946
7307	235 "	COf	7.935

3) 23.863

7954

771

54

798

7

556 7

55678

6.13253

7308

Dup 7296

Except 707 green 1/2 wash filtered
Dried Low heat!

21% KOH,
Flake average 7.1
#707 Green " 23.9 | 230 dumps, LOf 7.977
#1029A Clig irons | 223 " LOf 8.005
7309

7310 — 219 " LOf 7.990

3)23972
7991
771
1
99
737
5597
5593 061
61610

7311 .

Dup 7296 -

Except 707 RA ½ wash filtered
dried low heat,
To be given to Holland to
Charge 75 milamp rate - +
discharge Reg & Reg thereafter,
then H at ~~test~~

Hi lake average 7.1
1029A Alig irons. 223 dumps LOf . 7.824
Green average 23.9
7312 214 " LOf 7.801

7313 211 " COf 7.902

3)23527
7842
771
842
7894
54894 8
548461
6.046

7314 –

Layer Loading

21 Hole .005 1½ 3½ 237

708 Big Drum – Flake 95 which has been in very dilute HCl + 3 drops platina Chloride – its darkened it – possibly made it a little neater, 95 is the brittle flake —

7 fl 24 green
21% KOH.

Flake average 7.1
#2 Green " 23.4

	233 dumps	Wt	7.519
7315	235 "	Wt	7.543
7316	237 "	Wt	7.556

#1029A Olig iron.
Flake feeds very good.

3)22618
7539
767
773
5277
4
523
45773
5 27823
5.78

7317 Dup 7314

Except flake no 99 —

Flake average 7.2
#2 Green " 23.4
#1029A Chg irons.

244 dumps Wt 7.799

7318 235 " Wt 7.724

7319 232 " Wt 7.703

3)23226
7742

767
194
54 1
52
464
5419411
5.9381

7320 Dup 7314

Except Flake No 101 Blushed with Cobalt,

Flake average 7.4
#2 Green " 23.4
#1029A Mig irons.

	232	dumped	Cot	7.662
7321	238	"	Cot	7.659
7322	236	"	Cot	7.643

Flake feeds good.

3)22964
7655
76
0
593
5
5358
7
5817

7323 Layer Loading –

21 Flake 005 1½ 3½ 245 plunger
24 green 708 Big Drum –

Flake No 65 7 # 24 green

Use the Tubes that have bars ground to Thickness of work of 7/1000 –

Flake average 6.9
#2 Green " 23.4 249 dumped Wt 7.539
#1029A Olig wom
7324 243 " Wt 7.600

7325 244 " Wt 7.697

The grids showed green in the perforations

3)22836
7612
767
84
5322
567
42840
5·3 84
5,838

7326

21 Hole 005 1½ 3½ 237

708 Big Drum Flake 84 which has Bismuth reduced on it by Nitrate Bi & HCl-hot —

7 fl 24 g —

21% KOH — 239 dumps cracked end Wet 7.815

7327 243 dumps LOF 7.851

7328 242 " LOF 7.789

Fe lake average 7.2

#2 Green " 23.4

#1029A Olig irons.

Fe lake seems to be stuck in layers.

3)23.455
7.818

767
6
5472
8
0
4696
54720
5464
5,99

7329

21 Hole 5/1000, 1½, 3½ wt 237 Plunger.
24 Green big drum = 708
7 Flake # 99½ Layer loading

21% KOH. 7 flake 24 green.
Flake average 7.1
#2 Green " 23.4 | 239 dumper wt 7.646
#1029A Olig irons

7330 Brackedand 238 " wt 7.611.

7331 236 " wt 7638

3)22895
7632
767
534224
53422
5579
45724
534 744
51853 7

7332

21 Hole 005 $1\frac{1}{2}$ $3\frac{1}{2}$ 237 plunger

Layer Loading ——

24 XO708 Big Drum ——

83f which had previously been treated boiling KOH, but again treated with HCl Dilute & Arsenious acid — its Coated with Metallic arsenic OK = 7 flake

Flake average 7.0

21% KOH ——

#2 Screen average 23.4 / 234 dumps Wet 7.640

=1029 lbs big irons

7333 236 " Wet 7.658

7334 Wet

$$\begin{array}{r} 7.649 \\ 2\,\overline{)\,15.298} \end{array}$$

Feeds good. Only enough for two

77

5354 3

53543 3

53543 3

51889 7

70

234

304

2340

2128

212

(77

7335

Dup of 7332 Layer

Except 83 flake ~~treated~~ with
Tersulphate Antimony + HCl dilute Hot.
= Its dark flake –
21% KOH.

#2 Green averages 23.4 | 240 drips Wt 7.663
Flake " 7.3 |
7336 235 " Wt 7.643

Wt 2) 15306
7653

7337
Enough flake for two tubes.
#1029A Chg now

762
6
15306
18
4591
5357
1
5.831

7338

Dup 7332

Except 83 flake treated with
Bichromate K & HCl dilute,
It causes it to become bright like
Silver & glassy —

~~2~~1% KOH

Flake average 7.2 | 249 dumps Wt 7.720
#2 Green " 23.4 | 244 " Wt 7.694

7339

2 | 15.414
7.707

#1029 Allig irons.
Enough flake for two.

.762
15.414
46242
53949
5.18727

7340

Dup. 7332

2% KOH

Except palladium flake - 94 f

Flake average 7.2 / 242 dumps wt. 7.748

=2 Green " 23.4 /

7341 245 " Wt 7.696

7342 244 " Wt 7.612

#1029 Olig irons.

```
      7.612
   ---------
 3) 23 066
    7689
     762
   -------
   15378
   46134
  53823
 ---------
 5,859 01
```

7343

Dup 7332

2% KOH Except Rhodium flake

94 fl

Flake average 7.4
#2 Green " 23.4 | 240 dumps Cot 7.718
#1029A Elig irons.
7344 | 236 " Cot

7.718
2)15436
7718
762
6
1543
8
1630
6
4 626 6
5 4 0 1 1 1
5 8 8
31

7345 -

Dup 7332

Except ~~[illegible]~~ Iridium flake

f 94 =
21% KOH

Flake average 7.0
#2 Green " 23.4 / 241 dumps wt 7.590
#10291 Elig irons.

7346 237 " wt 7.599

7347 230 " wt 7.597

3)23786
7929
7977
55503
55503
55503
61,1053

7348

21 Hole 005 1½ 3½ 237 plunger
No 100 Experimental flake 3% Copper. Looks
grey 7 flake 24 green 708 Big Drum -
Layer loading

21% KOH.

Flake average 7.3 | 226 dumps COF 7.557
#7 Green " 23.7 |

7349 224 " COF 7.634

7350 223 " COF 7.612

#1029A Chg irons
Flake seems to be soft.

3)22803
7601

7601
765
38005
45606
53207
5.814

73
237
310

2370
2170
2000
1860
1.4

76.5

7351

Dup 7348

Except use 708 green Big Drum that Edison soaked in strong Acetate Bismuth Solution & then drained off & boiled in KOH, washed & dried — 24 green 7 fl No 100 — 21% KOH.

Flake average 7.3/
Spec Green " 24/ 240 dumps Wt 7.660
+ 1029A Big irons.

7352 237" Wt 7.559

7353 241" Wt 7.585

$3 \overline{)22804}$
7601

73
240
313

7354

Dup 7348

Except 21 % KOH 2 grms LiOH Each cell
F lake average 7.3
#2 Green " 23.7
#1029A Elig irons. 223 dumps LOP 7.601

7355 221 " LOP 7.601

7356 221 " LOP 7.579

3) 22781
7594
7653
970
3797
4
4556
8
5315
1
3.8094

7357

Dup 7348

Except 21% KOH 2 grms LiOH each cell

Flake average 7.3 RUN COLD
#2 Grey " 23.7
#1029 Alkg irons

223 dumps LOf 7.608

7358 227 " LOf 7.712

7359 225 " LOf 7.756

6
3 | 23 07
7692
765
0
6
3846
2
5
4615
4
53844
3
5.8843

7360
Dup 7348

Except 25% KOH, 2 grms LiOH

Each cell —

#2 Green average 23.7 / 225 drops Clf 7.711
3 lake " 7.3 /
7361 222 " Cof 7.705

7362 224 " Cof 7.704

3)23120
7706
765
0
38 5 3
6 2 3 6
4 2
5 3 9 4 0
5
5.89

7363

Dup 7348

Except green dumped on flake
old way - Double tamps
21% KOH.

3 lake average 7.3
#2 Green " 23.8 237 dumps Wf 7.775
#1029A Mig irons.

7364 227 " Wf 7.833

7365 222 " Wf 7.743

3)23351
7784
765
38920
4
4678
4488
5.447
5.9547

7366
Dup 7348

Green dumped on flake - old way - Double Tamps -
21% KOH, 2 grms LiOH Each cell
Flake average 7.31
#2 Green " 23.8224 dumper LOf 7.813
#10291 Elig iron
7367 219 " LOf 7.723
7368 216 " LOf 7.775

3)23.311
7.770
765
3885 0
4664 0
5439 0
5.9442

7369

Dup 7348

Green dumped a flake old way
Double tamps
21% KOH 2 grms LiOH each cell.

RUN COLD

#2 Green average 23.8
Flake " 7.3
#1029A Elig irons. 231 dumped Wt 7.887

7370 223 " Wt 7.711

7371 222 " Wt 7.680

3 | 23 2.7 8
7759
765
~~8~~795
387.4
4 6 5 5 4
5 4 3 1 3
~~5~~1.935 63

7372 Layer Loading

Dup 7348 —

Except use 3 lb Cot ✓

21% KOH —

#2 Green average 23.8

Flake " 7.3 / 217 dumps Cot 7.499

#1029A. Chg irons

7873 217 " Cot 7.515

7374 216 " Cot 7.552

3 | 22566

7522

765

0

3761

2

4513

4

5265

3

4

5.75

.*

7375 Layer Lainden

Dup 7348

Except 3 lbs +
21% KOH 2 grms LiOH Each cell

Flake average 7.3
#2 Green " 23.8
#1029A Olig irons.

	221	dumps	Wt	7.242
7376	226	"	Wt	7.332
7377	225	"	Wt	7.306

3 | 21880
7293
765
36465
36458
43775
51051 4
55791
5.5791

Layne Laundry

7378

Dup 7348

Except $2\frac{1}{2}$ lbs —

21% KOH,

Flake average 7.2
#2 Green " 2.38
#10291 Chig irons.

7378	222 dumpes	Lot	7.205
7379	224 "	Lot	7.159
7380	219 "	Lot	7.136

3 | 21.500
7166
765
0
83
35 96
42 9
5 01 62
9
5.481

7381

Dup 7378

$2\frac{1}{2}$ lb cwt

21 % KOH, 2 grms LiOH, Each cell

#2 Grain average 23.8

Flake " 7.2

#1029 Alloy irons. 219 dumps. Wof 7.133

7382 224 " Wof 7.183

7383 227 " Wof 7.190

3)21506

7169

765

35845

43014

50183

5.4842

7384
21 Hole 005 1½ 3 lbs —
Dump green on flake old way
Double Tampo - 708 Big Drum
7 fl No 100 - 3% Copper — 7 fl 24 gr

21% KOH
Flake 7.2
#2 Green 23.8 | 224 dumps Wt .7.359
#1029A Chg irons | 232 " Wt 7.415
7385

7386 234 " Wt 7.430

3)22204
7401
765
05
3706
0
4447
0
5180
1
5661
5.6

7387

Dup 7384 3 lbs

21% KOH 2 grms LiOH each cell –

#2 Green average 23.8

Flake " 7.2 / 226 dumps Wt 7.405

#1029 Mig irons.

7388 224 " Wt 7.359

7389 224 " Wt 7.302

3)22.066
7355
765
36775
70
4413
4185
514
5265
5.626

7390

Dup 7384

Except 2½ lbs wt

21% KOH —

#2 Green average 23.8

⅓ lalse " 7.2

#1129A Chg irons

	217 dumps	wt	7.155
7391	218 "	wt	7.121
7392	223 "	wt	7.211

3)21487

7162

765

0

3581

2997

4294

50134

5.47 89

7393

Dup 7384 — 2½ lbs cut

21%/o KOH 2 grms ~~[illegible]~~ each cell

#2 Green average 23.8

F. lake " 7.2

#1029A Olig irons

230 dumps Cut 7.201

7394 229 " Cut 7.179

7395 222 " Cut 7.139

3)21519

7173

765

865

358

3038

43011

50212

5,4847

7396

Dup 7384 2 lbs 2 oz
Except ~~4~~ lbs wt.

21 w/o KOH

#2 Green average 23.8
Flake " 7.3 / 217 dumped Wt 7.036
#1029A Olig irons.
7397 208 " Wt 6.993

7398 216 " Wt 7.010

7 | 21039
4013
765
35065
42078
49091
5,3648

7399

Dup 7384 2 lbs 2 oz ~~½~~ lbs cot

21% KOH. 2 grms LiOH, Each cell

= 1024 A Chg irons.

= 2 Green Average 23.8

Flake " 7.3 | 221 dumped Cot 6.950

7400 222 " Cot 6.992

7401 222 " Cot 7.074

3)21016
7005
765
35025
2030
4035
49
5.358

Aug. 24, 07.

While I am away

Make 3 groups of Each
of Greenlys Flake

1 group - 3½ 237 - 7f 24
708 green 21% Layer Loading

another group 21% KOH 2 grms
LiOH

another group 21% KOH 2 grms
LiOH RUN COLD

Save a sample of
Each flake

7402 Layer loading.

Duplicate of 7348.
Except let soak 4 hours before putting on charge

Flake average 7.2
#2 Green " 23.8
#1029A Chg irons | 224 dumps Wt 7.442

7403 | 226 " Wt 7.432

7404 | 229 " Wt 7.442

3)22316
7439
765
95
3719
4634
4473
5207
0
3.690

7405 Duplicate of 7348

#91 flake Layer loading

#2 Green average 23.8
Flake " 7.1. 226 dumps wt 7,447
#1029A Big irons

2106 KOH
7406 221 " wt 7,424

7407 223 " wt 7,464
Flake seems to be brittle
Not the long hairy kind.

3)22335
7445
765
37225
44670
52115
56954

7408 Duplicate of #7405

Except
21% KOH. 2 gms LiOH.
Flake average 7.1
#2 Green " 23.8
#1033 Elig irons.

221 dumps wt 7.392

7409 222 " wt 7.507

7410 220 " wt 7.49

3 | 22318
7439

7411 Duplicate of #7405

Except 21% KOH 2 gms LiOH.
Run cold.

Flake average 7.1
#2 Screen " 23.8
#1033 Clip irons.

	223	dumps	wt	7.417
7412	226	"	wt	7.445
7413	224	"	wt	7.408

3)22270
7423

7414
21 hole 5/10.00 3½ wt 237 Plunger
105 Flake Layer Loading
Flake 7 + 24 #2 Big drum Green
21%KOH

2. green average 23.8
flake " 7.5
1033 Big irons 221 dumps wt 7.482

7415 220 " wt 7.569

7416 221 " wt 7.479

0
3)22530
7510
765
5 0
375 0
6
4 50 0
5 2 57
5.745 1

7417 Duplicate of #7414

Except
21% KOH. 2. gms LiOH each cell.

	221	dumps	wt	7.550
7418	221	"	wt	7.501
7419	219	"	wt	7.512

$3\overline{)22563}$
7521

7420 Duplicate of #7414
Except 21% KOH. 2 gms LiOH
each cell Run Cold.

218 dumps wt. 7.502

7421 216 " wt. 7.512

7422 219 " wt. 7.548

3)22562
7521

7423.
21 Hole 5/1000 3½ wt 237 Plunger
105A flake Layer Loading
flake 7 & 24 #2 Big drum green
21% K.O.H.

#2 green average 23.8
flake " 7.3
cracked end 219 dump wt 7.535
#1033 Big irons
7424 214 " wt 7.476

7425 216 " wt 7.520

3)22531
7510

7426 Duplicate of 7423

Except
21% K.O.H. 2 grams Li o H each Cell

cracked end	222	clumps	wt	7.508
7427	222	"	wt	7.629
7428	220	"	wt	7.537

3)22674
7558
765
0
9
3779
8
4534
6
52906
87
5781

7429 Duplicate of 7423

Except 21% K.O.H. 2 gram LiOH in each Cell Run Cold

218 tamped wt 7.543

7430 crushed and 220 " wt 7.563

7431 221 " wt 7.553

$$3\overline{)22659}$$
7553

7432

211 hole 5/1000 3½ lb wt 237 Plunger
100A flake Layer loading
flake 7 & 24 #2 Big drum green
21% K.O.H.

#2 green average 23.8
flake " 7.0 4/5

1033 Chg irons 223 dump wt 7.461
7433 221 " wt 7.469

7434 223 " wt 7.462

3 | 22392
7464
765
0
2
3734
8
4478
5224
99
5,17099

7435 Duplicate of 7432

Except

21% K.O.H. 2g LioH. each Cell

234 dump wt 7.542

7436 232 " wt 7.455

7437 232 " wt 7.455

3)22452
7484

7438 Duplicate of 7432

Except
21% KOH. 2g LioH. each Cell
Run. Cold

231 dumps wt 7.500

7439 228 " wt 7.458

7440 225 " wt 7.435

3)22393
7464

7441 Big machine,
21 hole 5/1000 Rogers ground to 10/1000
24 grain big drum 7 flake #65
Layer loading. Long tubes

21% KOH. wt 11.748

7442 wt 11.490

7443 wt 11.563
Put up with 4 chg irons #1033

3 | 34801
11600
765
000
800
5.60
690
612
874
8.874

7444 Duplicate of #7441
Except 21% KOH, 2 gms LiOH each cell.

wt 11.614

7445 wt 11.648

7446 cracked end wt 11.811

3) 35073
11691
765
58455
70146
81837
8.94361

7447 Duplicate of #7441
Except 21% KOH 2 gms LiOH each cell
Run cold.

wt 12.063

7448 wt 11.576

7449 wt 11.218

3 | 34857
11619
865
5
809
58 4
5 7 1
6 9 3 3
8 1 3 3 8
8 8
8.8

7450 #107 Flake made on small drum.
Greenley #107 flake Fayer loading
5|1000 21 hole stock 3½ lb. wt. 237 plunger.
24 big drum #2 Green 7 #107 flake.
21% KOH.

Flake average 72. | 240 dumps wt 7.642
#2 Green " 24.2 |

7451 236 " wt 7.551
#1033 Olig irons.

7452 233 " wt 7.561

3)22754
7585
765
3792 5
0
4551
5389 5
8025
8.

7453 Duplicate ~~of~~ # 7450

Except 2. % KOH. 2. gms LiOH.

234 dumps wt 7.560

7454 236 " wt 7.535

Only enough flake for 5 tubes.

$$\begin{array}{r|l} 2 & 15095 \\ \hline & 7547 \end{array}$$

7455 5/1000 21 hole stock 3½ wt 237 plunger.
Lot #105 A Oxidized then run through
hydrogen. 21% KOH Layer loading
Flake average 7.4
#2 Green " 24.2
#1033 Elig irons. 229 dumps wt 7.755

7456 236 " wt 7.898

7457 236 " wt 7.856
Plunger packs flake hard in tube.

3)23509
7836

flake was oxidized very lightly to Peacock Tail
Color (ie) irridescent –
Reduced by H. below red + 2½ hours small
amount Hydrogen – No sticking – Can be
done this very perfect = after H. micro
shows very fine worm hole surface –

7836
766
47016
47016
54852
6.002

7458 Duplicate of #7455
Except 21% KOH. 2 gms LiOH.

	232 dumps	wt	7.773
7459	227 "	wt	7.824
7460	228 "	wt	7.861

$3\overline{)23458}$
7819

7461 Duplicate of #7455

Except 21% KOH 2. gms LiOH.
Run Cold.

228 dumps wt 7.828

7462 226 " wt 7.834

7463 227 " wt 7.870

$3\overline{)23532}$

7844

7464 Dup 7455

23% KOH. one grms α1 OH. Each cell.

225 dumpe Wt 7.883

7465 228 " Wt 7.967

7466 — 226 " WT. 7.943

3 | 23793

7931

766

586

47 5 86

4.7 5 7

5 5.5 1 4

5 1

6.07

7467
21 hole 5/1000 Stocks 3½ lb wt 237 Plunger
Layer loading #2 Big drum green
#107A flake 7 + 24 green
21% KOH!
Average flake 7.1
" #2 Green 24.2
#1033 Clip irons.

234 dumped wt 7.577

7468

238 " wt 7.517

7469.

235 " wt 7.526

3 | 22620
7540
765
0
3770
0
4524
0
52780
1
5.7681

7470 Duplicate of #7467
Except 2% KOH. 2 gms LiOH.

233 dimps wt 7.492

7471 238 " wt 7.573

7472 233 " wt 7.555

22620
3 | 7540
.765
37700
45240
52780
5.7681

5.

7473. Duplicate of # 7467
Except 21% KOH. 2 gms LiOH.
Run cold.

235 dumps wt 7.487

7474 232 " wt 7.495

7475 236 " wt 7.566

$3\overline{)22548}$
7516

5.76

7476

21 Hole 005 1½ spiral – 237 –

99½ oxidized peacock flake Lacquer

Loading – 7 fl 24 green 708 Big Lot

~~3 lbs~~ Weight –

21%

#2 Green average 24.2

Flake " 7.3 / 230 dumps Wt 7.633

#1033 Clip irons

7477 224 " Wt 7.654

7478 224 " Wt 7.670

3) 22957
9652

242
73
315

2420 (76.8
2205
2150
1890
262
23

7652
768
61216
45912
53564
5876

7479 Dup 7476

~~[illegible]~~ 2½ lb cot

	225 dumps	Cot.	7.462
7480	222 "	Cot	7.461
7481	223 "	Cot	7.543

```
3 | 22466
     7489
      768
    59912
       34
   449 23
  524  15
 5175
```

7482

Dup 7476

~~2~~lb weight — 2 lbs 2 oz.

226 dumps Lof 7.406

7483 224 " Lof 7.343

7484 220 " Lof. 7.300

3 | 22049

7349

768

92

5879

4094

44

1443

5

03

44

5,6

7485 —

Dup of 7476

3 ½ lb wt 10/31 green

NiOH from Recryst Sulfate
½ wash not fil air dried Wt

#1031 Screen average 24. | 245 dumps Wt 8.112
Flaked " 7.3
#1033 Clig irons

7486 238 " Wt 8.042

x7487 237 " Wt 8.051
Screen was heavy.

7488 Dup 7476

3½ wt.

J P Devine green

Vacuum Dried

J.P.40 Green average 24.3

Flake " 7.3

#1033 Clig irons.

232 drops Wt 7.517

7489 226 " Wt 7.480

7490 221 " Wt 7.399

3)22396

7465

5.84

7491 Dup 7476 –
3 ½ wt

RA 714 green

R.A. 714 Green average 23.8
Flakes " 7.3
#1033 Clip irons. 220 dumps Wt 7.206

7492 211 " Wt 7.123

7493 — 206 " Wt 7.096

Green acted a little sticky in the slide. 3)21425
7142

7494 Dup 7476

3½ cwt RA 707 green

RA#707 Green average 23.7
Flake " 7.3
#1033 Oliginous. 272 dumps Cwt 8.620

7495 260 " Cwt 8.478

7496 264 " Cwt 8.496

Green is heavy

3) 2559.4
853.1
764
4
34124
186
5117
59717
6
6.5176

7497 - Layer loading.

21 Hole 005 1½ 3½ wt

#99½ 7 flake - Oxidized - 24 green
708 Big Drum Coppered by immersion in
Sulfate dried then KOH, boiled &
percolated out -

21% KOH, 2 grms LiOH Each cell

#99½ F. cells average 7.2
Green " 24.5 247 dumps Wt - 8.136
#1033 Elig iron.
7498 ——— 240 . Wt - 8.035

2)16171
8086.
766
6
4851
6
4851
2
56602
87
61193

✓

7499 – Dup of 7497

Except green less Copper precipitated in it and blackened –

21% KOH

#99½ Flake average 7.2 Green " 24.2	242 dumped Wt	7.760
7500	246 " Wt	7.729
7501	242 " Wt	7.640

3)23129
7709
766
4
46254
46254
46963
53909
51905509

7502

Dup 7499 –

21% NaOH – 2 grams LiOH,

242 drops Cof 7.637

7503 240 " Cof 7.630

x7504 242 " Cof 7.674

3)22941

7647

7642

4588

4588 2

4 5 2 9

5 3 5 7 6 0

5.8676

7505

21 Hole 005 1$\frac{1}{2}$ spl 3$\frac{1}{2}$ wt –
7 ft ^{24} Green No 2 708 big drum which has
been boiled in Conc KOH, washed & dried.
flake 100 A which has been oxidized higher
than Peacock & reduced in Hydrogen.
21% KOH – Layer leaking

Green average 24.3
#100A Flaked " 6.9
#1033 Big irons.

7505	247 dumped	Wt	7.977
7506	247 "	Wt	8.001
7507	244 "	Wt.	8.047

3 | 24025
8008
78
64064
56056
6,2467

7508 Dup of 7505 with Reg 708
No 2 green big Drum — 24
7 flake 100A, oxidized higher than
Peacock — (grey)

Flake average 6.9
#2 Drum " 24.1 | 248 dumps Cof 7.756
#1033 Oligirous

7509 251 " Cof 7.723

7510. 232 " Cof 7.689

3)23168
7723
78
61784
54061
6.023

7511

Dup 7508

21% KOH, 3 grams Lithium Chloride

Each cell—

	246 dumps	Cutoff	7.662
7512	250 "	Cutoff	7.708
7513	245 "	Cutoff	7.652

$$3\overline{)23022}$$

7674

~~9~~8

2

6139

5.3718

5.19857

7514 Dup 7508

21% KOH. 5 grms Lithium Chloride in each cell — 100A oxidized higher than Peacock —

245 dumped COf 7.646

7515 242 " COf 7.723

7516 241 " COf 7.696

3)23065

7688

78

61504

53816

5.99664

7517 - Dup 7508

21% KOH. 10 grms Lithium Chloride
Each cell -

238 dumps Wt 7.709

7518 [illegible] 239 " Wt 7.638

7519 242 " Wt 7.642

3 | 23059

7686

78

69488

53802

5.99508

7520. Dup 7508

Water saturated with LiOH, Containing 3 grms of Lithium Chloride in each cell —

240 dumps Cot 7.671

7521 242 " Cot 7.610

7522 242 " Cot 7.627

3)22908
7636
78
61088
53452
5.9560

7523

~~[illegible]~~

21% .005 1½ 3½ – 10 flake
24 green 708 619 Drum
flake 100A oxidized higher
than Peacock

21% ~~KOH~~

Flake average 9.9 | 229 dumpe Lot 8,025
#2 Drum " 24.2 |
#1033 Chg irons | 232 " Lot 8.120

7524

7525 — 234 " Lot 8.101

3) 24246
8082
7½
8082
8074
565
5.173
622

7526

Layer loading
21 Hole 005 $1\frac{1}{2}$ $3\frac{1}{2}$ tubes oxidized to
dark grey - then reduced in Hydrogen
Same as flake - not distorted
very matte surface a COR -
7 flake 100 A, oxidzd to dark -
24 No 708 Big Drum -
21% KOH

Flake average 7.4
#2 Green " 24.2
#1033 Chg irons

242 dumps COF 7.775

7527 240 " COF 7.814

7528 237 " COF 7.811

3)234 00
78 00
765
7 00
39 00
3 6 8 0
4 6 0
5 4 6 0
5.967

765

7529 Dup 7526

21% KOH 2 grms LiOH

245 drops Wt 7.815

7530 244" Wt. 7.703

7531 — 242" Wt 7.738

3)23.256
7.752
765
38760
46512
54264
593.02

7532

This 7499 Duplicated

21% KOH but 100A flake oxdzd black
Flake average 7.4
#2 Green " 24.3
#1033 Oligirons. 244 drumps Wt 7.795

7533 239 " Wt 7.674

7534 234 " Wt 7.705

3 | 23174
7725
765
386 2 5
4635
54075
5,9096

7535 Layer loading

21 Hole 005 1$\frac{1}{2}$ 3$\frac{1}{2}$ - General
flake oxidized black 7 mlg
No 2 green 708 Big Drum
Soaked in 12 grms Cerium Sulphate,
only $\frac{1}{2}$ dissolved - soaked $\frac{1}{2}$ hour -
poured off - Dried - Boiled with
10% KOH, Then washed free of KOH to
Litmus by Hot water - dried -
7 flake 24 green

21% KOH —

Green average 24.4	231 dumps	Wt	7.539
Flake " 7.3			
7536	227 "	Wt	7.576
=1033 Chg irons			
7587	228 "	Wt	7.513

3 | 22628
7543
77
52801
52801
5,8081

24 4
7 3
31 7
24490 (77
22190
2219

7538 Dup 7535

21% KOH, 2 grms LiOH Each cell

227 dumps Cof 7524

7539 222 Cof 7.462

7540 225 Cof 7.511

3)22497
7499

7541 Dup 7535

But green treated with
12 grs Uranium Sulphate – only ½ dissolved
#1033 Chg irons.
216 lb KOH.
'51 lakes average 7.3
Green " .24. 240 dumps COP 7.679

7542 231 " COP 7.690

7543 235 . COP 7.732

3 | 23 1 01
7700
766
4620
4620
539
5189
240
73
313
2400
2191
2098
1872
21
766

7544 Dup 7541

21 w/o KOH, 2 grams LiOH.

	232 dumps = Lot	7.727
7545	222 " Lot	7.676
7546	230 · Lot	7.661

7547

Dup 7535

But green treated with 12 grams
Sulphate Cobalt

21% KOH,

F [illegible] average 7.3
[illegible] new " 24.3

#1.03 lbs irons

	231 dumped	Lot	7.528
7548	227.	Lot	7.512
7549	225.	Lot	7.504

3 | 22544
7515

24.3
.3
3.16

2430 (76.9
2212
2186
1890
284

7515
769
67635
45090
52605
5.7790

7550

Dup 7547

21% KOH, 2 grms LiOH,

222 dumps CoP 7.460

7551 222 " CoP 7.505

7552 222 " CoP 7.455

3)22420

7473

769

7

7553 Dup 7535

But green treated with
12 grams Ferrous Sulphate
Oxidized with some H_2O_2
probably not enough —

21% KOH,

5 Cakes average 7.3
Green " 24.5 241 dumps LOP 7.678
#1133 Elig irons
7554 247 " LOP 7.664
7555 239 " LOT 7.703

3 | 23045
7682
77
53774
53774
5.9151

7556 Dup 7553.

21% KOH, 2 grms LiOH,

232 drops LOT 7.641

7557 234 " lot 7.724

7558 228 " LOT 7.623

7559 Dep 7553

~~But green treated~~ 12 grams
Cadmium Sulphate —

21% KOH,

5 lakes average 7.3 | 226 dumps COP 7.472
Green " 24.3
7560 | 225 " COP 7.620
#1033 Chg irons
7561 | 223 " COP 7.584

3)22676
7559
77
52913
52913
5.82043

7562 . Dup 7559

21% KOH 2 grams LiOH,

218 dumped Cot 7.507

7563 219 " Cot 7.493

7564 221 " Cot 7.509

7565 Dup 7535

But green treated 12
grms Magnesia Sulphate

21% KOH

Flakes average 7.3
Green " 24.1

#1033 Chg iron 248 dumped KOH 7.670

7566 254" KOH 7.736

7567 241" KOH 7.674

```
  3)23080
     7693
      767
    53851
    46158
   53851   767
   590053
```

7568 Dep 7565

21% KOH 2 grms LiOH,

234 drops COP 7.587

7569 231 " COP 7.664

7570 233 " COP 7.576

The End